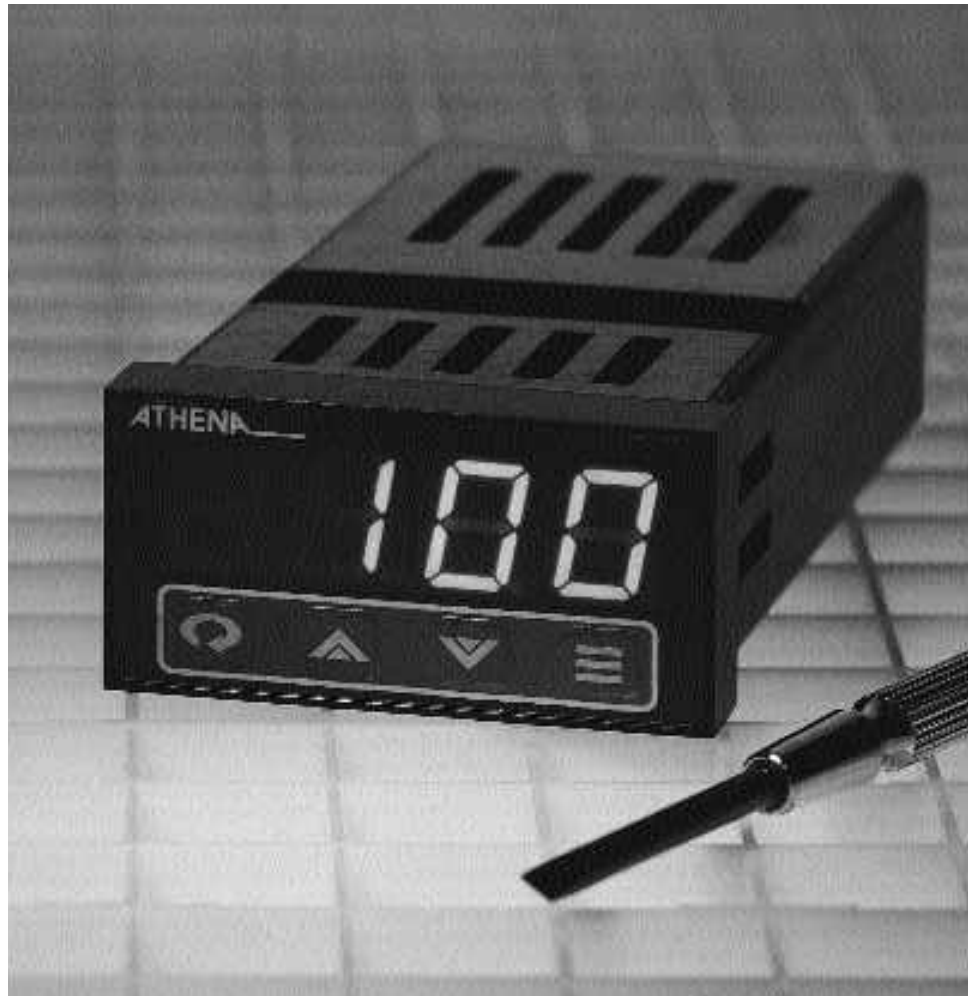
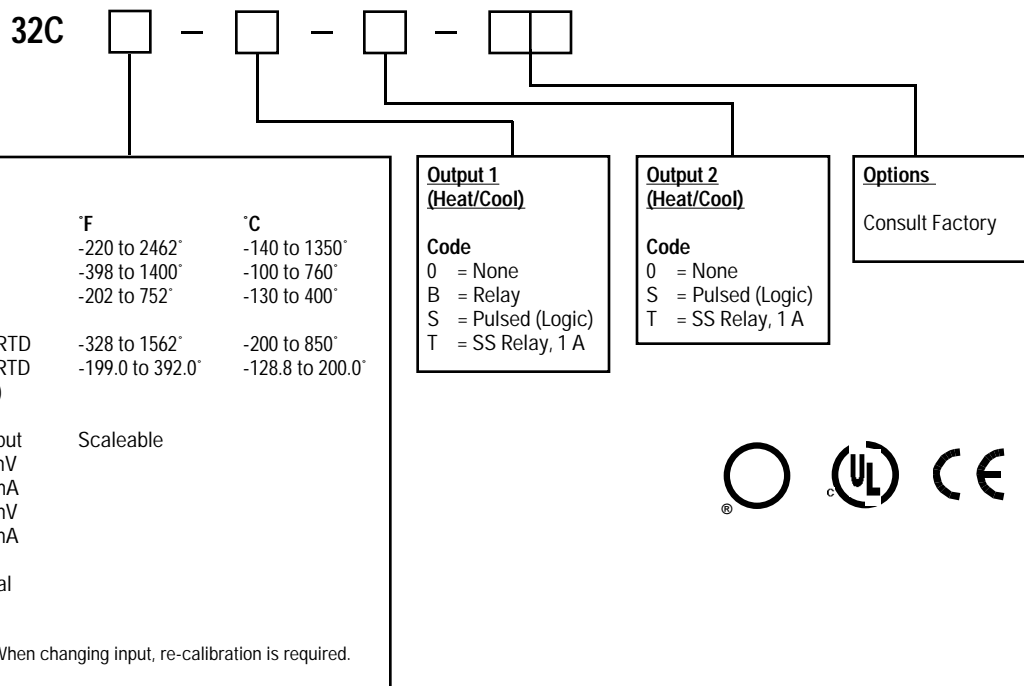


## 1/32 DIN Universal Input Controller

- Thermocouple, RTD, Voltage or Current Input
- Auto-Tuning, Heat or Cool
- Field-Configurable – Heat or Cool Outputs
- Dual Output/Alarm Capabilities
- On/Off through Full PID Operation (P, PI, PD, PID)
- NEMA 4X (IP65) Dust and Splash-Proof Front Panel
- Bumpless Auto/Manual Transfer
- Field-Configurable Process and Deviation Alarms (Normal and Latching)
- Alarm Inhibit Mode
- DIN Standard Case Depth and Panel Cutout
- Special and Custom Options Available



## Ordering Information



# SERIES 32C TEMPERATURE/PROCESS CONTROLLER

## SPECIFICATIONS

### OPERATING LIMITS

Line Voltage	85 to 265 V, 50/60 Hz 120 to 375 Vdc, (auto polarity)
Power Consumption	Less than 6 VA (instrument)
Operating Temperature	32 to 140°F (0 to 60°C)
Humidity Tolerance	90% R.H. maximum, non-condensing

### PERFORMANCE

Accuracy	± 0.2% of FS, ± one digit
Setpoint Resolution	1 count/0.1 count
Repeatability	± 1.0 count
Temperature Stability	5 µV/°C maximum
TC Cold End Tracking	0.05°C /°C ambient
Noise Rejection	Common mode > 100 dB Series mode > 70 dB
Process Sampling	3.5 Hz (270 ms)

### CONTROL CHARACTERISTICS

Setpoint Limits	User Configurable
Alarms	Adjustable for high/low; process or deviation
Rate (Derivative)	0 to 2400 sec
Reset (Integral)	0 to 9600 sec
Cycle Time	0.3 to 120 sec
Proportional Band	1 to FS
Deadband	1 to FS
Control Hysteresis	1 to FS
Autotune	Operator-initiated from front panel
Manual Control	Operator-initiated from front panel

### INPUTS

Thermocouple	J, K, T Maximum lead resistance, 100 ohms for rated accuracy
RTD	2-wire platinum, 100 ohms at 0°C, DIN curve standard (0.00385)
Linear	Current and voltage
Engineering Units	Scaleable: -1999 to 9999
Decimal Position	Selectable: none, 1/10, 1/100

### OUTPUTS

B	Relay 5 A @ 120 Vac; 5 A @ 240 Vac
S	5 Vdc pulsed
T	Solid-state relay, 1 A

### MECHANICAL CHARACTERISTICS

Display	LED, 4-digit, 10 mm
Front Panel Rating	NEMA 4X (IP65)
Connections	Input and output via removable barrier strip

